ABSTRACT OF THE DISCLOSURE

A track pin bushing for cooperating with a track pin in an endless track has a tubular body with a metallurgically bonded wear-resistant coating and a method for forming such a coated track pin bushing is taught herein. The tubular body, formed of an iron-based alloy, has an outer surface that is carburized and quenched, i.e., case-hardened, in at least a section thereof. At least a portion of the case hardened section has been removed to a depth sufficient to expose a non-carburized layer of the iron-based alloy. A hard metal alloy slurry is disposed on the non-carburized layer and forms a metallurgical bond between the non-carburized layer and the coated unfused slurry by fusing the hard metal alloy. The thickness of the unfused slurry is adjusted to be from 1.67 to 2.0 times a final thickness of the wear-resistant coating. The wear-resistant coating comprises a fused, metal alloy comprising at least 60% iron, cobalt, nickel, or alloys thereof. The portion of the outer surface with the wear-resistant coating corresponds to a contact surface adapted to engage with a drive sprocket in the endless track of the track-type vehicle.